

URGENT - MUST BE READY APRIL 25



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4842-4

Job Sheet R176214



Part No: D4842-4

Job Qty: 2 ea

Part Name: Lower Cutter Body, RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/18/18

Job Tracking No:

Due Date: 4/24/18

Created By: Linda Lacelle

Type: Rework

Description:

Note: URF 16-692 DWG REV B U/R SHEETS 5,6 IPP REV: A NEW ISSUE JFS 13/04/30 VERIFY BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea		4/24/18	0.00	0.00	Start Up Machining-3		SBL 18/04/24
110	CNC Vertical Machining	2 pcs		4/24/18	0.06	2.27	HAAS1-5		SBL 18/04/24
120	QC	2 pcs		4/24/18	0.00	0.00	QC2 Machining-3		SBL 18/04/24
130	QC	2 pcs		4/24/18	0.00	0.00	QC8 Machining-3		SBL 18/04/25
140	Outsource	2 pcs		4/24/18			ATG001-VC		AT 18/05/18
150	Packaging	2 pcs		4/24/18	0.00	0.00	Packaging2		AT 18/05/18
155	QC	2 pcs		4/24/18	0.00	0.00	QC5		MAY 04 2018
180	Packaging	2 pcs		4/24/18	0.00	0.00	Packaging3-2		MAY 08 2018
190	QC21-SA	2 Ea		4/24/18	0.00	0.00	QC21		

Part Op 110 - 1-Machine per folio FB192

Descriptions: 140 - Issue P/O to ATG : P009693 Plz anodize - ~~Quesada~~ ATG
180 - ***IDENTIFY WITH DART P/N USING FINE POINT PERMANENT INK MARKER***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D4842-4	Lower Cutter Body, RH	2 Ea (1 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D4842-4	2	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS				
Part No. _____		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	
NCR No. _____		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
		Large Fab ☐	Composite ☐	Supplier ☐		

Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval ☐
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Description Work Order Deviation	Disposition
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	Completed By _____
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	hand / Supervisor Approval Verification ☐
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	/ QA Coordinator Approval ☐
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hewkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-6200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S064472

Part: D4842-4

Job No: R176214

Serial No/Batch: S064472

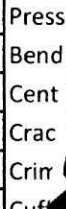
Revision: _____

Inspector: _____

Date: 04/24/18



Root Cause	
Environment ☐	No Re-verification ☐
Design ☐	Operator ☐
Doc/Data ☐	Offset/Setup ☐
Equip/Tooling ☐	Supplier ☐
Handling/Pre ☐	Training ☐
Material ☐	Use for Testing ☐
Internal Transport ☐	Poor Information ☐
Tribal Knowledge ☐	Rushing ☐
LOA ☐	Product Improvement ☐
Substation ☐	Process Improvement ☐
Past Expiry Date ☐	Manufacturing Process ☐
Misidentified ☐	Past Due ☐

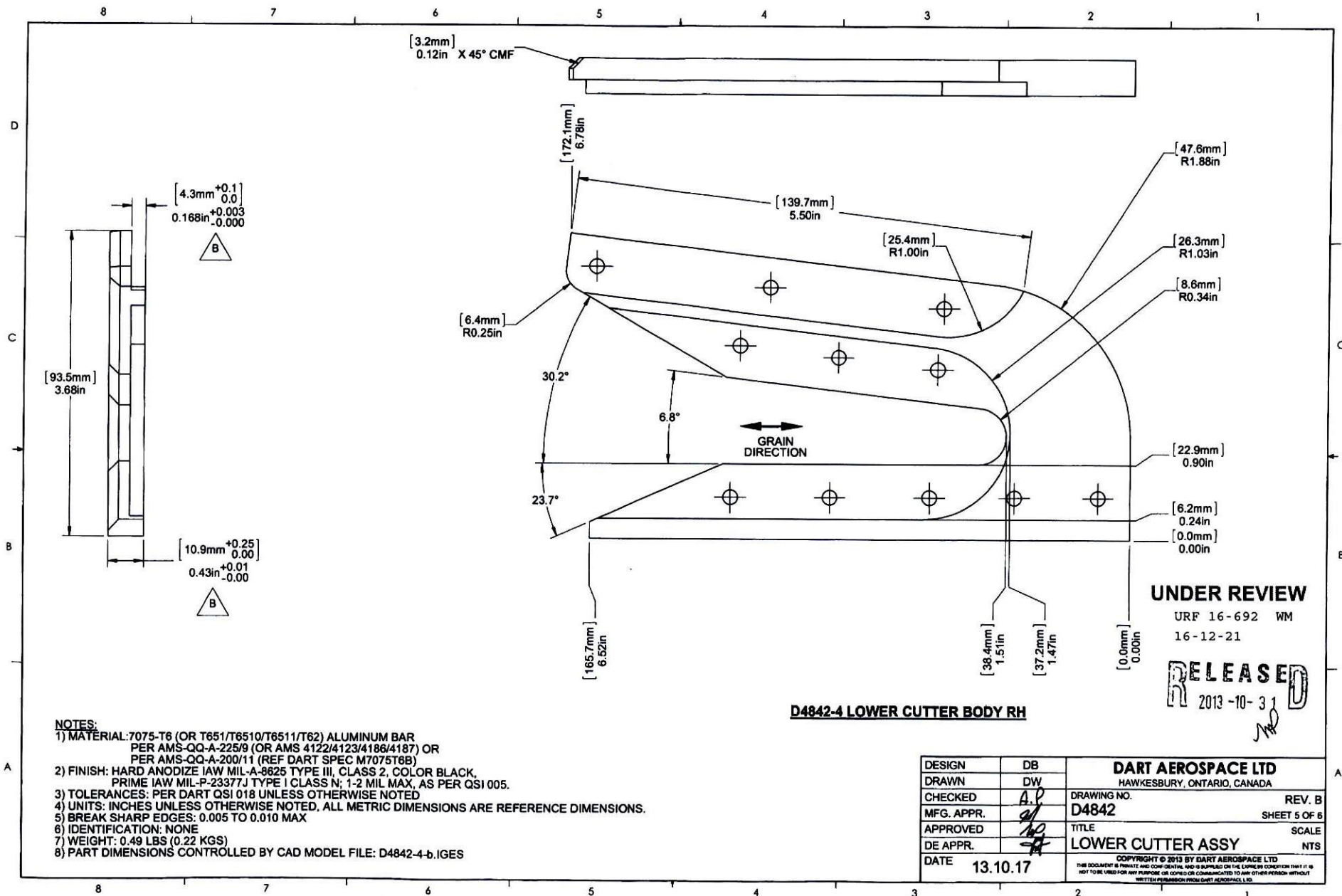


Press ☐
Bend ☐
Cent ☐
Crac ☐
Crim ☐
Cuf ☐
Crushing ☐
Heat Treat ☐
Wave/Twist in Tube ☐
Marks/Chatter ☐

Cut Too Short ☐
Instructions Incomplete/Unclear ☐
Drill Holes ☐

OTHER : _____

Positioned Wrong ☐
Outside Dimensions ☐
Over/Under tolerance ☐
Part Incorrect ☐
Part Lost/Missing ☐
Part Moved ☐
Drawing ☐
Finish ☐
Misread ☐
Turning Sequence ☐



DQA: _____ Date: _____

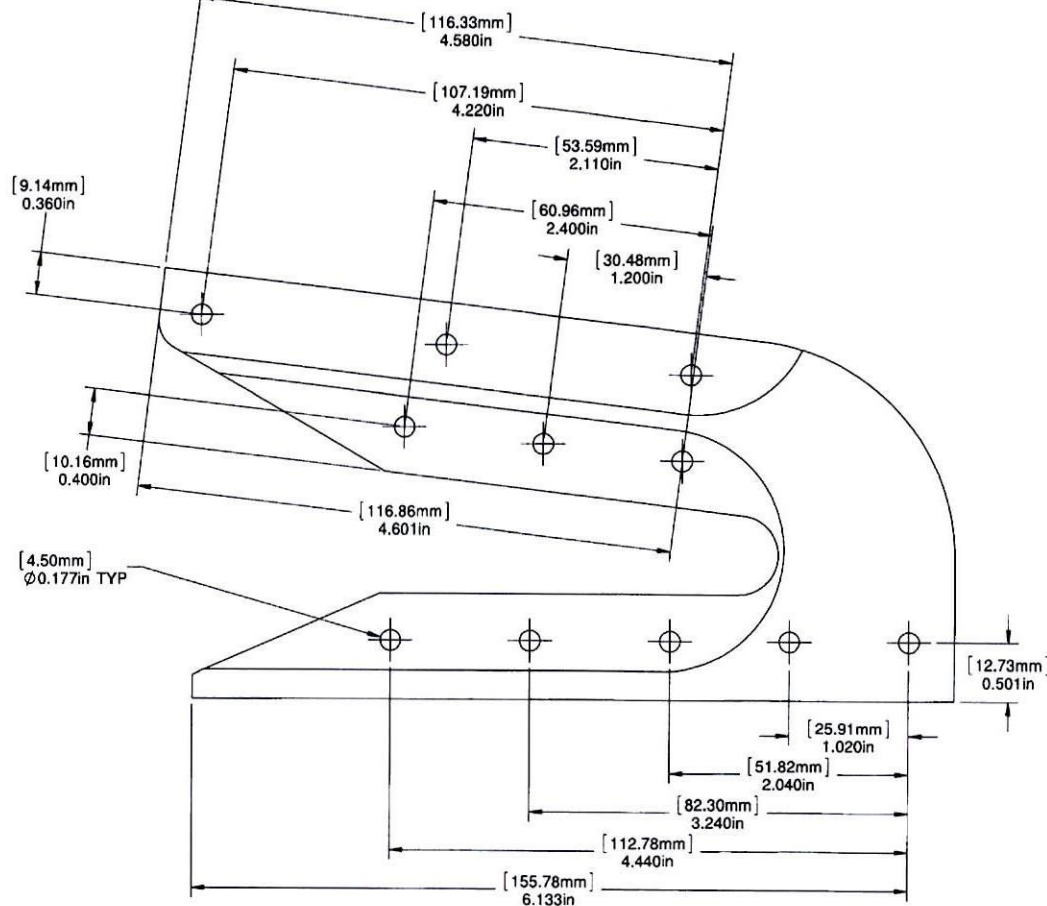


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐			FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER :					



D4842-4 LOWER CUTTER BODY RH
(AUXILIARY VIEW)

UNDER REVIEW

URF 16-692 WM
16-12-21

RELEASE
2013-10-31

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DW		
CHECKED	A.P.	DRAWING NO. D4842	REV. B
MFG. APPR.			SHEET 6 OF 6
APPROVED		TITLE LOWER CUTTER ASSY	SCALE NTS
DE APPR.		COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	13.10.17		

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Under Review Notification

Raised By: Will Monterroza

Product #: D169-841

Date: 2016.12.21

Product Name: AW169 Cable Cutters

Part Number (D-Part and 9-Digit) (D3535-11/-25, D206-642-143, etc.)	Drawing or Document & Current Affected Revision for each part listed	"Y" or "N" Required for Each Part Do not leave blank							Reserved ECN Log Number	Instructions Relevant to Each Part (including whether CHG #'s will be affected)
		HOLD SHIPMENT	Red Tag/Quarantine Stock	Advise Customers	Stop Production	Re-Work Stock	IPP Under Review	Product Specifications Under Review		
D169-841-015	IIN D169-841, rev D	Y	Y	Y	Y	Y	Y	Y	16-692	
D4842-041	Lower Cutter Assembly	Y	Y	Y	Y	Y	Y	N	16-692	Update part by removing 0.005" from base face
D4842-3	LH Lower Cutter Body	Y	Y	Y	Y	Y	Y	N	16-692	Update part by removing 0.005" from base face
D4842-4	RH Lower Cutter Body	Y	Y	Y	Y	Y	Y	N	16-692	Update part by removing 0.005" from base face

Description of Issue:

The Lower cable cutter will not install onto the aircraft base. Request by Leonardo for width of base does not match existing product design. Dart asked Leonardo to provide original definition but have not provided it yet. In order to continue shipments, the LH Lower cutter body D4842-3 and RH Lower cutter body D4842-4 that make part of the D4842-041 need to be revised to shave 0.005" off the base interface

**** Note that this change needs to be communicated to Leonardo by Dart Quality through a Proposal for Change Request and it must be approved by Leonardo prior to implementing ****

Distribution:

VP Operations

Director of Operations

Director Quality Assurance

Director of Engineering

Chief Engineer

Engineering Project Managers

Engineering Clerk

Customer Support Manager

Production Engineers

Production Planners

Program Manager

Technical Support

Purchasing Manager



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039693

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

PO No: PO039693
PO Date: 4/25/18
Due Date: 5/2/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Attention: Lalande, Marc-Andre

Via: Ground
Pynt Terms: Net 30

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	R176214	D4842-4	Lower Cutter Body, RH Issue P/O to ATG : FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK, PRIME IAW MIL-P-23377J TYPE 1 CLASS N; 1-2 MIL MAX, AS PER QSI 005	Firmed	5/4/18	2 pcs	0 pcs 2x	2 pcs	\$13.50/pcs	\$27.00
Line Item Note ** RUSH **										
2	R176213	D4842-3	Lower Cutter Body, LH Issue P/O to ATG : 1- Black Anodize as per Dwg D4842	Firmed	5/4/18	2 pcs	0 pcs 2x	2 pcs	\$13.50/pcs	\$27.00
Line Item Note **RUSH**										
3	176231	646.3719	Doubler Issue P/O ATG, balck anodize and prime as per dwg 646.3719 Rev. A	Firmed	5/4/18	36 pcs	0 pcs	36 pcs	\$9.50/pcs	\$342.00
4	174117	646.3010	LH Half Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3000	Firmed	5/4/18	10 pcs	0 pcs	10 pcs	\$13.50/pcs	\$135.00
Line Item Note **rush**										
5	174116	646.3011	RH Half Issue P/O to ATG : Hard Black Anodize, Color Black and Prime as Per Dwg 646.3000	Firmed	5/4/18	4 pcs	0 pcs	4 pcs	\$13.50/pcs	\$54.00
Line Item Note ** rush **										
Grand Total:										\$585.00

DAS
11
9-89

CT



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915078

Date: 02-May-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
16 ea	Part: 649.5113 Wiper Deflector Shim Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 22952	Rev: D	
		PO: PO039682	Line: 5
2 ea	Part: D4842-4 Lower Cutter Body, RH Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 22971	Rev: B	
		PO: PO039693	Line: 1
2 ea	Part: D4842-3 Lower Cutter Body, LH Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 22972	Rev: B	
		PO: PO039693	Line: 2
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>2/5/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of Made in Canada.			

MAY 04 2018

DAS
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9-89